

TRIACYLGLYCEROL-BASED ALTERNATIVE TO PARAFFIN WAX

ABSTRACT

A triacylglycerol-based wax, which can be used in candle making, is provided. The triacylglycerol-based material is predominantly includes a triacylglycerol stock which has a fatty acid profile has no more than about 25 wt. % fatty acids having less than 18 carbon atoms. In addition, the fatty acid profile of the triacylglycerol typically includes at least about 50 wt. % 18:1 fatty acid and no more than about 25 wt. % 18:0 fatty acid. In another embodiment, the triacylglycerol-based material is characterized in part by an Iodine Value of about 60 to about 75. For applications such as candles, the wax commonly includes a hydrogenated vegetable oil and palmitic acid. Candles formed from triacylglycerol-based material and methods of producing the candles are also provided.